

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5315	SERIAL NO. 09/162,768
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT John S. HENDRICKS et al.	
		FILING DATE September 30, 1998	GROUP 2711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AM	AA	5 3 5 7 2 7 6	10/18/94	Banker et al.			
AM	AB	4 7 1 2 1 0 5	12/8/87	Kohler			
AM	AC	5 2 5 3 0 6 6	10/12/93	Vogel			
AM	AD	5 1 3 0 7 9 2	7/14/92	Tindell et al.			
AM	AE	5 1 5 2 0 1 1	9/29/92	Schwob			
AM	AF	4 9 9 6 5 9 7	2/26/91	Duffield			
AM	AG	5 3 4 1 1 6 6	8/23/94	Garr et al.			
AM	AH	4 7 0 6 1 2 1	11/10/87	Young			
AM	AI	4 9 2 8 1 6 8	5/22/90	Iwashita			
AM	AJ	5 1 4 4 6 6 3	9/1/92	Kudelski et al.			
AM	AK	5 1 0 5 2 6 8	4/14/92	Yamanouchi et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AM	AL	3 1 1 4 3 7 5	5/15/91	Japan				
AM	AM	3 9 3 5 2 9 4	4/25/91	Germany				
AM	AN	4 2 0 1 2 3	4/3/91	EPO				
AM	AO	6 2 2 4 7 7 7	2/2/87	Japan				
AM	AP	1 1 3 0 6 8 3	5/23/89	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	AQ	Reimer, "Memories in my Pocket", February 1991.
AM	AR	Olshansky et al., "Subscriber Distribution Networks Using Compressed Digital Video", November 1992.
AM	AS	Dinaro, et al., "Markets and Products Overview", 1991.

EXAMINER ANDREW Y KOENIG	DATE CONSIDERED 7/14/02
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<i>AA</i>	BA	4 9 4 7 4 2 9	8/7/90	Bestler et al.			
<i>AA</i>	BR	5 0 9 3 7 1 8	3/3/92	Hoarty et al.			
<i>AA</i>	BC	5 0 4 6 0 9 3	9/3/91	Wachob			
<i>AA</i>	BD	5 0 2 0 1 2 9	5/28/91	Martin et al.			
<i>AA</i>	BE	4 7 9 2 9 7 2	12/20/88	Cook, Jr.			
<i>AA</i>	BF	5 0 7 7 6 0 7	12/31/91	Johnson et al.			
<i>AA</i>	BG	4 9 7 5 9 5 1	12/4/90	Bennett			
<i>AA</i>	BH	4 8 6 0 3 7 9	8/22/89	Schoeneberger et al.			
<i>AA</i>	BI	4 4 8 4 2 1 7	11/20/84	Block et al.			
<i>AA</i>	BJ	5 0 9 1 7 8 2	2/25/92	Krause et al.			
<i>AA</i>	BK	5 0 5 7 9 1 7	10/15/91	Shalkauser et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>AA</i>	BL	9 2 1 7 0 2 7	10/1/92	PCT				
<i>AA</i>	BM	9 1 0 0 6 7 0	1/10/91	PCT				
<i>AA</i>	BN	4 2 4 6 4 8	5/2/91	EPO				
<i>AA</i>	BO	5 0 6 4 3 5	9/30/92	EPO				
<i>AA</i>	BP	4 0 2 8 0 9	12/19/90	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AA</i>	BQ	Advertisement, "Hong Kong Enterprise", November 1988
<i>AA</i>	BR	Advertisement, "Great Presentations", 1987
<i>AA</i>	BS	Advertisement, "Consumer Dist.", Fall/Winter 1992

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AK	CA 5 0 4 9 9 9 0	9/17/91	Kondo et al.			
AK	CB 4 8 1 6 9 0 1	3/28/89	Music et al.			
AK	CC 4 6 8 8 2 4 6	8/18/87	Eilers et al.			
AK	CD 4 9 4 9 1 8 7	8/14/90	Cohen			
AK	CE 4 9 9 5 0 7 8	2/19/91	Monslow et al.			
AK	CF 5 0 2 7 4 0 0	6/25/91	Baji et al.			
AK	CG 5 1 7 2 4 1 3	12/15/92	Bradley et al.			
AK	CH 5 2 0 6 7 2 2	4/27/93	Kwan			
AK	CI 5 2 4 7 3 4 7	9/21/93	Litteral et al.			
AK	CJ 5 1 6 6 8 8 6	11/24/92	Molnar et al.			
AK	CK 5 2 2 3 9 2 4	6/29/93	Strubbe			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AK	CL 8 6 0 1 9 6 2	3/27/86	PCT				
AK	CM 8 9 0 9 5 2 8	10/5/89	PCT				
AK	CN 9 2 2 1 2 0 6	11/26/92	PCT				
AK	CO 9 0 1 0 9 8 8	9/20/90	PCT				
AK	CP 1 8 7 9 6 1	7/23/86	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AK	CQ	van den Boom, "Interactive Videotex. . .", Nov.-Dec. 1986.
AK	CR	Moloney, "Digital Compression in Todays. . .", June 6, 1993
AK	CS	Bestler, "Flexible Data Structures. . .", June 6, 1993

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<i>AK</i>	DA	5 2 8 9 2 7 1	2/22/94	Watson			
<i>AK</i>	DB	4 9 5 9 8 1 0	9/25/90	Darbee et al.			
<i>AK</i>	DC	4 4 8 8 1 7 9	12/11/84	Kruger et al.			
<i>AK</i>	DD	4 9 7 7 4 5 5	12/11/90	Young			
<i>AK</i>	DE	5 1 5 1 7 8 9	9/29/92	Young			
<i>AK</i>	DF	D 3 0 1 0 3 7	5/9/89	Matsuda			
<i>AK</i>	DG	D 3 1 4 3 8 3	2/5/91	Hafner			
<i>AK</i>	DH	D 3 2 5 5 8 1	4/21/92	Schwartz			
<i>AK</i>	DI	D 3 2 9 2 3 8	9/8/92	Grasso et al.			
<i>AK</i>	DJ	D 3 3 1 7 6 0	12/15/92	Renk, Jr.			
<i>AK</i>	DK	5 0 1 5 8 2 9	5/14/91	Eilert et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>AK</i>	DL	1 1 4 2 9 1 8	6/5/89	Japan			
<i>AK</i>	DM	3 5 5 6 9 7	2/28/90	EPO			
<i>AK</i>	DN	4 2 5 8 3 4	5/8/91	EPO			
<i>AK</i>	DO	5 1 3 7 6 3	11/19/92	EPO			
<i>AK</i>	DP	3 1 9 8 1 1 9	8/29/91	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AK</i>	DQ	Sharpless, "Subscription Teletext for Value Added Services", August 1985.
<i>AK</i>	DR	Gelman et al., "A Store-and Forward. . .", June 21, 1991.
<i>AK</i>	DS	Hewlett Packard Co., "HP-41C Operating Manual", December, 1982

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<i>AL</i>	EA	5 2 0 2 8 1 7	4/13/93	Koenck et al.			
<i>AL</i>	EB	5 2 5 3 2 7 5	10/12/93	Yurt et al.			
<i>AL</i>	EC	5 2 8 3 6 3 9	2/1/94	Esch et al.			
<i>AL</i>	ED	5 3 4 5 5 9 4	9/6/94	Tsuda			
<i>AL</i>	EE	5 4 1 6 5 0 8	5/16/95	Sakuma et al.			
<i>AL</i>	EF	4 9 6 1 1 0 9	10/2/90	Tanaka			
<i>AL</i>	EG	4 8 2 9 5 5 8	5/9/89	Welsh			
<i>AL</i>	EH	5 1 3 3 0 7 9	7/21/92	Ballantyne et al.			
<i>AL</i>	EI	5 3 5 5 1 6 2	10/11/94	Yazolino et al.			
<i>AL</i>	EJ	5 1 8 2 6 3 9	1/26/93	Jutamulia et al.			
<i>AL</i>	EK	5 1 3 2 7 8 9	7/21/92	Ammon et al.			

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							YES	NO
<i>AL</i>	EL	9 2 1 2 5 9 9	7/23/92	PCT				
<i>AL</i>	EM	2 1 6 8 2 2 7	6/11/86	Great Britain				
<i>AL</i>	EN	2 0 4 4 5 7 4	12/14/92	Canada				
<i>AL</i>	EO	5 2 5 0 1 0 6	9/28/93	Japan (Abstract)				
<i>AL</i>	EP	6 1 0 6 0 1 5	3/27/86	Japan (Abstract)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>AL</i>	EQ	Sorce, et al., "Human Factors In Telecommunications," September 1990

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<i>AK</i>	FA	4 8 7 6 7 3 6	10/24/89	Kiewit			
<i>AK</i>	FR	5 2 9 3 5 4 0	3/8/94	Trani et al.			
<i>AK</i>	FC	5 0 0 1 5 5 4	3/19/91	Johnson et al.			
<i>AK</i>	FD	5 4 1 0 3 2 6	4/25/95	Goldsetin			
<i>AK</i>	FE	5 0 4 7 8 6 7	9/10/91	Strubbe et al.			
<i>AK</i>	FF	5 3 5 3 1 2 1	10/4/94	Young et al.			
<i>AK</i>	FG	5 4 1 4 4 2 6	5/9/95	O'Donnell et a.			
<i>AK</i>	FH	5 4 0 4 3 9 3	4/4/95	Remillard			
<i>AK</i>	FI	5 2 3 7 3 1 1	8/17/93	Mailey et al.			
<i>AK</i>	FJ	5 0 7 8 0 1 9	1/27/92	Aoki			
<i>AK</i>	FK	5 4 1 0 3 4 4	4/25/95	Graves et al.			

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							YES	NO
<i>AK</i>	FL	2 4 3 3 1 2	10/28/87	EPO				
<i>AK</i>	FM	9 3 2 2 8 7 7	11/11/93	PCT				
<i>AK</i>	FN	9 2 2 1 2 0 6	11/26/92	PCT				
<i>AK</i>	FO	9 1 0 0 6 7 0	1/10/91	PCT				
<i>AK</i>	FP	9 1 0 3 1 1 2	3/7/91	PCT				

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<i>AK</i>	GA	5 1 5 5 5 9 1	10/13/92	Wachob			
<i>AK</i>	GB	5 4 3 2 5 4 2	7/11/95	Thibadeau et al.			
<i>AK</i>	GC	5 0 3 6 5 3 7	7/30/91	Jeffers et al.			
<i>AK</i>	GD	5 3 2 3 2 4 0	6/21/94	Amano et al.			
<i>AK</i>	GE	5 3 6 7 5 7 1	11/22/94	Bowen et al.			
<i>AK</i>	GF	4 3 6 1 8 4 8	11/30/82	Poignet et al.			
<i>AK</i>	GG	5 2 6 0 7 7 8	11/9/93	Kauffman et al.			
<i>AK</i>	GH	3 8 9 1 7 9 2	6/24/75	Kimura			
<i>AK</i>	GI	5 0 3 6 3 9 4	7/30/91	Morii et al.			
<i>AK</i>	GJ	4 6 3 9 2 2 5	1/27/87	Washizuka			
<i>AK</i>	GK	4 8 2 9 5 6 9	5/9/89	Seth-Smith et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>AK</i>	GL	9 2 1 1 7 1 3	7/9/92	PCT			
<i>AK</i>	GL	1 2 0 4 1 9 0	9/3/70	Great Britain			
<i>AK</i>	GM	3 4 2 3 8 4 6	1/9/86	Germany			
<i>AK</i>	GN	2 3 4 2 2 3	11/11/94	Taiwan			
<i>AK</i>	GO	2 3 6 0 6 5	12/11/94	Taiwan			

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AK	HA	4 6 0 5 9 6 4	8/12/86	Chard			
AK	HB	4 6 8 8 2 1 8	8/18/87	Blineau et al.			
AK	HC	5 1 5 1 7 8 2	9/29/92	Ferraro			
AK	HD	5 2 0 6 9 5 4	4/27/93	Inoue et al.			
AK	HE	5 3 4 3 2 3 9	8/30/94	Lappington et al.			
AK	HF	5 3 2 7 5 5 4	7/5/94	Falazzi, III et al.			
AK	HG	4 7 2 4 4 9 1	2/9/88	Lambert			
AK	HH	5 3 7 5 0 6 8	12/20/94	Plamer et al.			
AK	HI	5 2 1 6 5 1 5	6/1/93	Steele et al.			
AK	HJ	5 3 3 9 3 1 5	8/16/94	Maeda et al.			
AK	HK	4 6 9 7 2 0 9	9/29/87	Kiewit et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AK	HL	2 3 5 3 5 9	12/1/94	Taiwan				
AK	HM	2 3 5 3 5 8	12/1/94	Taiwan				
AK	HN	2 3 6 7 4 4	12/21/94	Taiwan				
AK	HO	2 3 8 4 6 1	4/23/92	Taiwan				
AK	HP	1 6 7 2 3 7	1/8/86	EPO				

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<i>AK</i>	JA	5 5 1 5 0 9 8	5/7/96	Carles			
<i>AK</i>	JR	5 4 1 2 4 1 6	5/2/95	Nemirowsky			
<i>AK</i>	JC	5 4 0 0 4 0 1	3/21/95	Wasilewski et al.			
<i>AK</i>	JD	5 2 8 5 2 7 2	2/8/94	Bradley et al.			
<i>AK</i>	JE	5 4 4 6 9 1 9	8/29/95	Wilkins			
<i>AK</i>	JF	5 4 4 2 6 2 6	8/15/95	Wei			
<i>AK</i>	JG	5 4 8 1 5 4 2	1/2/96	Logston et al.			
<i>AK</i>	JH	5 4 8 1 2 9 6	1/2/96	Craoun et al.			
<i>AK</i>	JI	5 3 5 1 0 7 5	9/27/94	Herz et al.			
<i>AK</i>	JJ	5 4 8 3 2 7 8	1/9/96	Strubbe et al.			
<i>AK</i>	JK	5 4 6 9 2 0 6	11/21/95	Strubbe et al.			

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							YES	NO
<i>AK</i>	JL	4 5 0 8 4 1	10/9/91	EPO				
<i>AK</i>	JM	2 2 4 5 1 6 7	3/31/89	Japan				
<i>AK</i>	JN	2 1 7 7 8 7 3	1/28/87	Great Britain				
<i>AK</i>	JO	2 1 4 0 1 3 4	6/23/87	Japan				
<i>AK</i>	JP	2 8 1 2 9 3	9/7/88	EPO				

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<i>AK</i>	KA	5 3 1 9 7 0 7	6/7/94	Wasilewski et al.			
<i>AK</i>	KB	5 2 4 2 7 7 0	6/13/95	Schmelzer et al.			
<i>AK</i>	KC	4 6 9 4 4 9 0	9/15/87	Harvey et al.			
<i>AK</i>	KD	4 4 6 5 8 2 5	10/23/90	Harvey et al.			
<i>AK</i>	KE	4 5 2 8 6 4 3	7/9/85	Freeny, Jr.			
<i>AK</i>	KF	5 2 3 7 6 1 0	8/17/93	Gammie et al.			
<i>AK</i>	KG	4 7 1 2 1 3 0	12/8/87	Casey			
<i>AK</i>	KH	5 2 8 2 0 2 8	1/25/94	Johnson et al.			
<i>AK</i>	KI	5 6 4 4 3 5 4	7/1/97	Thompson et al.			
<i>AK</i>	KJ	5 5 7 0 1 2 6	10/29/96	Blahut et al.			
<i>AK</i>	KK	5 6 6 1 5 1 6	8/26/97	Carles			

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							YES	NO
<i>AK</i>	KL	5 1 3 5 5 3	11/19/92	EPO				
<i>AK</i>	KM	5 7 0 7 8 5	11/24/93	EPO				
<i>AK</i>	KN	3 2 8 4 4 0	8/8/89	EPO				✓
<i>AK</i>	KO	1 0 2 0 4 5 4	1/30/89	Japan				

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<i>AK</i>	NA	4	6	2	1	2	8	2		11/4/86	Ahern			
<i>AK</i>	NR	5	2	9	3	6	3	3		3/8/94	Robbins			
<i>AK</i>	NC	5	0	3	8	4	0	2		8/6/91	Robbins			
<i>AK</i>	ND	5	6	6	3	7	5	7		9/2/97	Morales et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
														YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Andean Y Koonig</i>	DATE CONSIDERED <i>7/14/02</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.